

**Please add the following Abstract of the Disclosure:**

**Abstract**

Methods for the determination of cognitive processing of an individual or groups of individuals are described. Deviation from a control range of cognitive processing is determined with reference to a standardized task. Methods comprise measurement of time to complete the standardized task in a group of control subjects, measurement of temporal eyeblink occurrence during performance of the task by the control subjects, and calculation of a control range for the control subjects, the control range being calculated from at least the temporal eyeblink occurrence during a common phase within the standardized task for the control subject. Deviation from the control range indicates the test subject has altered cognitive processing relative to the control subjects.